

TOSHA
MOST CITED for Manufacturing NAICS codes 31, 32 & 33
January 2018 – December 2018

Rank	Standard	Section Title	Description
1	1910.1200	Hazard Communication	<p>(h)(1) Lack of effective information & training on hazardous chemicals</p> <p>(e)(1) Lack of a written hazard communication program on site</p> <p>(f)(6)(ii) In house chemical containers did not have identity of chemical & words, pictures, symbols, or hazard statements</p> <p>(g)(8) Lack of employer maintaining in the workplace copies of the required safety data sheets for each hazardous chemical, and ensure that they are readily accessible during each work shift to employees when they are in their work areas.</p> <p>(g)(1) Lack of safety data sheet availability</p> <p>(f)(6) Hazardous chemicals not labeled</p>
2	1910.134	Respiratory Protection	<p>(c)(2)(i) Lack of Appendix D when respirator use is voluntary</p> <p>(e)(1) Lack of medical evaluation</p> <p>(h)(2)(i) Lack of proper respirator storage to protect from damage</p> <p>(c)(1) Lack of written respiratory protection program</p> <p>(f)(2) Lack of initial & annual fit testing</p> <p>(g)(1)(i)(A) Employees with facial hair that affects the seal of a tight-fitting respirator were wearing respirators with tight-fitting face-piece</p> <p>(g)(1)(iii) For all tight-fitting respirators, lack of performing a user seal check each time the respirator is put on</p>
3	1910.95	Noise Exposure	<p>(k)(1) Lack of training for each employee who is exposed to noise at or above an 8-hour time weighted average of 85 decibels. Lack of training program and ensuring employee participation in the program.</p> <p>(l)(1) Did not make available to affected employees or their representatives copies of this standard and did not post a copy in the workplace.</p> <p>(c)(1) Did not administer a continuing, effective hearing conservation program, whenever employee noise exposures equal or exceed an 8-hour TWA of 85 decibels</p> <p>(d)(1) When information indicates that any employee's exposure may equal or exceed an 8-hour TWA of 85 decibels, the employer did not develop and implement a monitoring program.</p> <p>(g)(1) Did not establish and maintain an audiometric testing program by making audiometric testing available to all employees whose exposures equal or exceed an 8-hour TWA of 85 decibels.</p> <p>(g)(5)(i) Within 6 months of an employee's first exposure at or above the action level, the employer did not establish a valid baseline audiogram against which subsequent audiograms can be compared.</p> <p>(i)(3) Employees were not given the opportunity to select their hearing protectors from a variety of suitable hearing protectors provided by the employer.</p>
4	1910.147	Energy Control Procedures	<p>(c)(4)(i) Energy control procedures were not developed, documented, and utilized</p> <p>(c)(6)(i) Lack of annual inspection of energy control procedures</p> <p>(c)(4)(ii) Procedures did not state scope, purpose, authorization, rules, & techniques to control hazardous energy</p> <p>(c)(7)(i) & (c)(7)(i)(A) Lack of training resulting in knowledge & skills required for safe application & removal of energy controls</p> <p>(c)(7)(i)(B) Each affected employee was not instructed in the purpose and use of the energy control procedure</p>
5	TDLWD Rule 0800-01-09	Tennessee Right to Know	<p>.06(2) Lack of labeling of non-containerized hazardous chemicals, i.e. carbon monoxide</p> <p>.07 Lack of annual training on hazardous chemicals</p> <p>.07(4) Training records were not maintained</p>

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6	1910.212	Machine Guarding	<p>(a)(1) Lack of machine guarding, point of operation, ingoing nip points, rotating parts, flying chips, & sparks</p> <p>(a)(3)(ii) Lack of point of operation guarding</p> <p>(a)(2) Guards not affixed & secured</p> <p>(a)(5) Lack of guard on fan blades less than 7 feet high</p> <p>(b) Machines designed for a fixed location were not securely anchored to prevent walking or moving`</p>
7	1910.178	Powered Industrial Truck	<p>(p)(1) Truck was not taken out of service when found in need of repair, defective or unsafe</p> <p>(l)(1)(i) Lack of operator competency through demonstration, training & evaluation</p> <p>(a)(6) Nameplates and markings were not maintained in a legible condition</p> <p>(q)(7) Lack of daily inspection of industrial truck</p> <p>(a)(4) Modifications and additions were performed without manufacturers prior written approval</p> <p>(l)(1)(ii) Operator training not successfully completed prior to employee operating a powered industrial truck</p> <p>(l)(4)(iii) Operator performance not evaluated once every 3 years</p> <p>(l)(6) Operator training was not certified</p>
8	TDLWD Rule 0800-01-03	OSHA 300 Log	<p>.03(27)(b)1 Lack of required documentation on 300 log</p> <p>.05(3)(a)2 Lack of annual electronic submission of OSHA Form 300A by establishments with 20 or more employees but fewer than 250 employees in designated industries</p> <p>.03(27)(a) Lack of use of OSHA 300 log, 300A, & 301 forms</p> <p>.05(1)(a)2 In-patient hospitalization, amputation, or loss of eye was not reported to TOSHA within 24 hours after the incident</p> <p>.04(3)(b)2 OSHA 300A annual summary form was incomplete</p> <p>.04(3)(b)3 OSHA 300A summary form was not certified by company executive</p> <p>.05(3)(a)1 Lack of annual electronic submission of OSHA Form 300A Summary by establishments with 250 or more employees.</p>
9	1910.107	Spray Finishing Using Flammable and Combustible Materials	<p>(b)(5)(i) The spraying operations was not designed, installed, and maintained so that the average air velocity over the open face of the booth was not less than 100 linear feet per minute</p> <p>(b)(5)(iv) Space within spray booth on the downstream and upstream sides of filters were not protected with approved automatic sprinklers</p> <p>(b)(9) Spray booths were not installed so that all portions are readily accessible for cleaning and clear space of not less than 3 feet on all sides was not kept free from storage or combustible construction</p> <p>(b)(10) Fixed lighting units were not used as a source of illumination. Panels were not isolating the spray area from the lighting unit and were not of a noncombustible material or protected so that breakage is unlikely. Panels were not arranged so that accumulations of residue on the exposed surface of panel will not be raised to a dangerous temperature from the source of illumination.</p> <p>(g)(2) Spraying areas were not kept as free from the accumulation of deposits of combustible residues and tools used for cleaning purposes were not of non-sparking material</p> <p>(e)(2) Incorrect quantity of flammable liquids or liquids with a flashpoint greater than 199.4 °F were kept in the vicinity of spraying operations and bulk storage of flammable liquids were not in a separate, constructed building detached from other important buildings or cut off in a standard manner</p>

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10	1910.305	Wiring Methods, Components, and Equipment for General Use	<p>(g)(2)(iii) Lack of strain relief on flexible cords</p> <p>(g)(1)(iv)(A) Flexible cords substituted for fixed wiring</p> <p>(b)(1)(ii) Opening in cabinets, boxes, & fittings not effectively closed</p> <p>(g)(1)(iv)(B) Flexible cords were run through holes in walls, ceilings, or floors</p> <p>(b)(1)(i) Conductors entering cutout boxes, cabinets, or fittings were not protected from abrasion, and openings through which conductors enter were not effectively closed.</p> <p>(b)(2)(i) Lack of covers</p>
11	1910.303	Electrical General	<p>(b)(2) Listed or labeled equipment was not installed and used in accordance with any instructions included in the listing or labeling</p> <p>(g)(1) Sufficient access and working space was not provided and maintained about all electric equipment to permit ready and safe operation and maintenance of such equipment</p> <p>(g)(2)(i) Live parts of electric equipment operating at 50 volts or more were not guarded against accidental contact</p> <p>(f)(1) Each disconnecting means required by this subpart for motors and appliances were not legibly marked to indicate its purpose.</p> <p>(g)(1)(ii) Working space required by this standard was used for storage</p> <p>(b)(7)(i) Unused openings in boxes, raceways, auxiliary gutters, cabinets, equipment cases, or housings were not effectively closed to afford protection substantially equivalent to the wall of the equipment</p>
12	1910.22	Walking, Working Surfaces – General	<p>(a)(1) Passageways, storerooms, & service rooms were not kept clean, orderly, & in a sanitary condition</p> <p>(a)(2) Work floor not maintained clean & dry so far as possible</p> <p>(a)(3) Walking-working surfaces were not maintained free of hazards</p> <p>(c) A safe means of access and egress to and from walking-working surfaces was not provided and used</p> <p>(d)(1) Walking-working surfaces not inspected, regularly and as necessary, and maintained in a safe condition</p>
13	1910.215	Abrasive Wheel Machinery	<p>(b)(9) Lack of safety guards constructed so that peripheral protecting member can be adjusted constantly decreasing diameter of the wheel</p> <p>(a)(4) Work rest on offhand grinding machines not used to support work, not of rigid construction, not adjustable, not secured, & no more than 1/8th from wheel</p> <p>(a)(1) Abrasive wheels used on machines without safety guards</p> <p>(a)(2) Lack of guard to cover spindle end, nut, and flange projections</p>
14	1910.157	Portable Fire Extinguishers	<p>(c)(1) Did not mount, locate, & identify fire extinguishers</p> <p>(e)(2) Portable fire extinguishers were not visually inspected monthly</p> <p>(g)(2) Employee training was not conducted upon initial employment and annually thereafter</p> <p>(e)(3) Potable fire extinguishers were not checked annually</p> <p>(g)(1) Lack of educational program on general principles of extinguisher use & hazards during incipient stage fire fighting</p> <p>(c)(4) Portable fire extinguishers were not maintained in a fully charged and operable condition and kept in designated places</p>

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15	1910.1030	Bloodborne Pathogens	(c)(1)(i) Lack of written exposure control plan on site (g)(2)(i) Lack of training for each employee with occupational exposure; provided at no cost to the employee and during working hours. The employer did not institute a training program and ensure employee participation in the program. (c)(1)(iv) No documented annual review of written exposure control plan, administrative, & engineering controls (c)(2)(i) Lack of exposure determination (g)(2)(ii)(A) Training was not provided at the time of initial assignment to tasks where occupational exposure may take place (g)(2)(ii)(B) Training was not provided at least annually (h)(2)(i)(B) Training records did not include contents or a summary of the training sessions (h)(2)(i)(C) Training records did not include the names and qualifications of persons conducting the training (h)(2)(i)(D) Training records did not include names and job titles of all persons attending the training sessions
16	1910.133	Eye & Face Protection	(a)(1) Lack of face & eye protection when exposed to eye & face hazards (a)(2) Eye protection that provides side protection was not utilized when there is a hazard from flying objects (a)(3) Employees who wear prescription lenses while engaged in operations that involve eye hazards did not wear eye protection that incorporates the prescription in its design or wear eye protection that can be worn over the prescription lenses
17	1910.132	Personal Protective Equipment	(d)(1) Lack of personal protective equipment hazard assessment (d)(2) Hazard assessment was not certified (a) PPE was not provided, used, and maintained in a sanitary and reliable condition (d)(1)(i) The types of PPE that will protect the affected employee from the hazards identified in the hazard assessment were not selected and used (f)(1) Lack of training on personal protective equipment selected (e) Defective or damaged personal protective equipment was used
18	1910.151	Medical and First Aid	(c) Lack of eyewash & shower when employees exposed to a splash potential from a corrosive chemical (b) Lack of first aid providers
19	1910.37	Maintenance, Safeguards, and Operational Features for Exit Routes	(a)(3) Exit routes were not kept free and unobstructed (b)(2) Each exit was not clearly visible and marked by a sign reading "Exit." (b)(6) Each exit sign was not illuminated to a surface value of at least five foot-candles by a reliable light source and was not distinctive in color. (a)(2) Exit routes were not arranged so that employees will not have to travel toward a high hazard area.
20	1910.219	Mechanical Power-Transmission Apparatus	(d)(1) Lack of guarding pulleys 7 feet or less from the floor (f)(3) Lack of enclosing sprocket wheels & chains below 7 feet (e)(3)(i) Lack of guarding on vertical and inclined belts (c)(4)(i) Projecting shaft ends not smooth & projecting more than ½ diameter of shaft while not guarded (e)(1)(i) Lack of guarding horizontal belts 7 feet or less from the floor
21	1910.119	Process Safety Management of Highly Hazardous Chemicals	(e)(3)(i) The process hazard analysis did not address the hazards of the process (d)(3)(ii) The employer did not document that equipment complies with recognized and generally accepted good engineering practices. (e)(3)(iv) The process hazard analysis did not address consequences of failure of engineering and administrative controls (f)(1)(i)(E) The written operating procedures did not address steps for emergency operations (j)(2) Written procedures were not established and implemented to maintain the on-going integrity of process equipment